

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P691323

Luminaire Tested: **CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3715 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



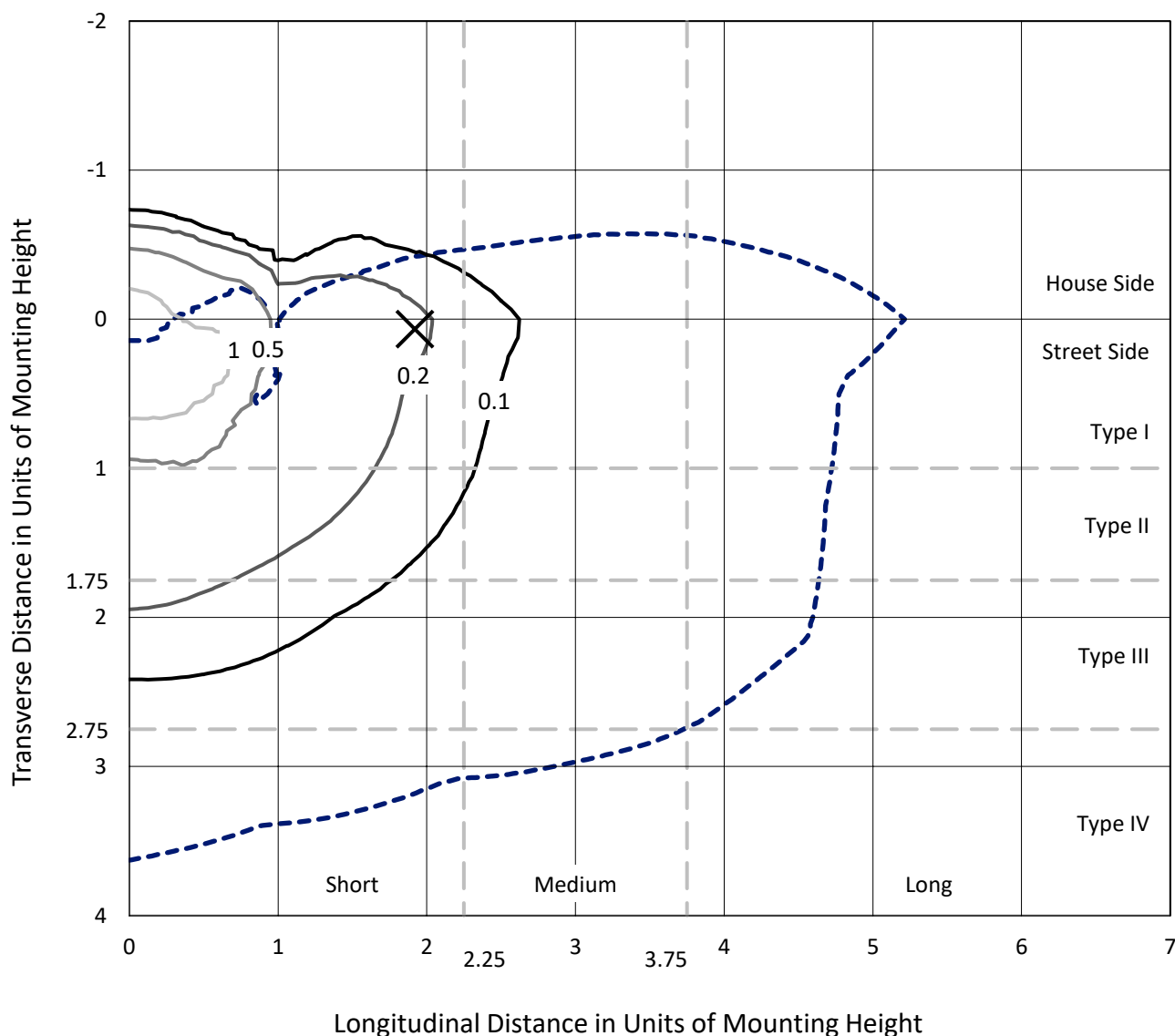
REPORT NUMBER: P691323

CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



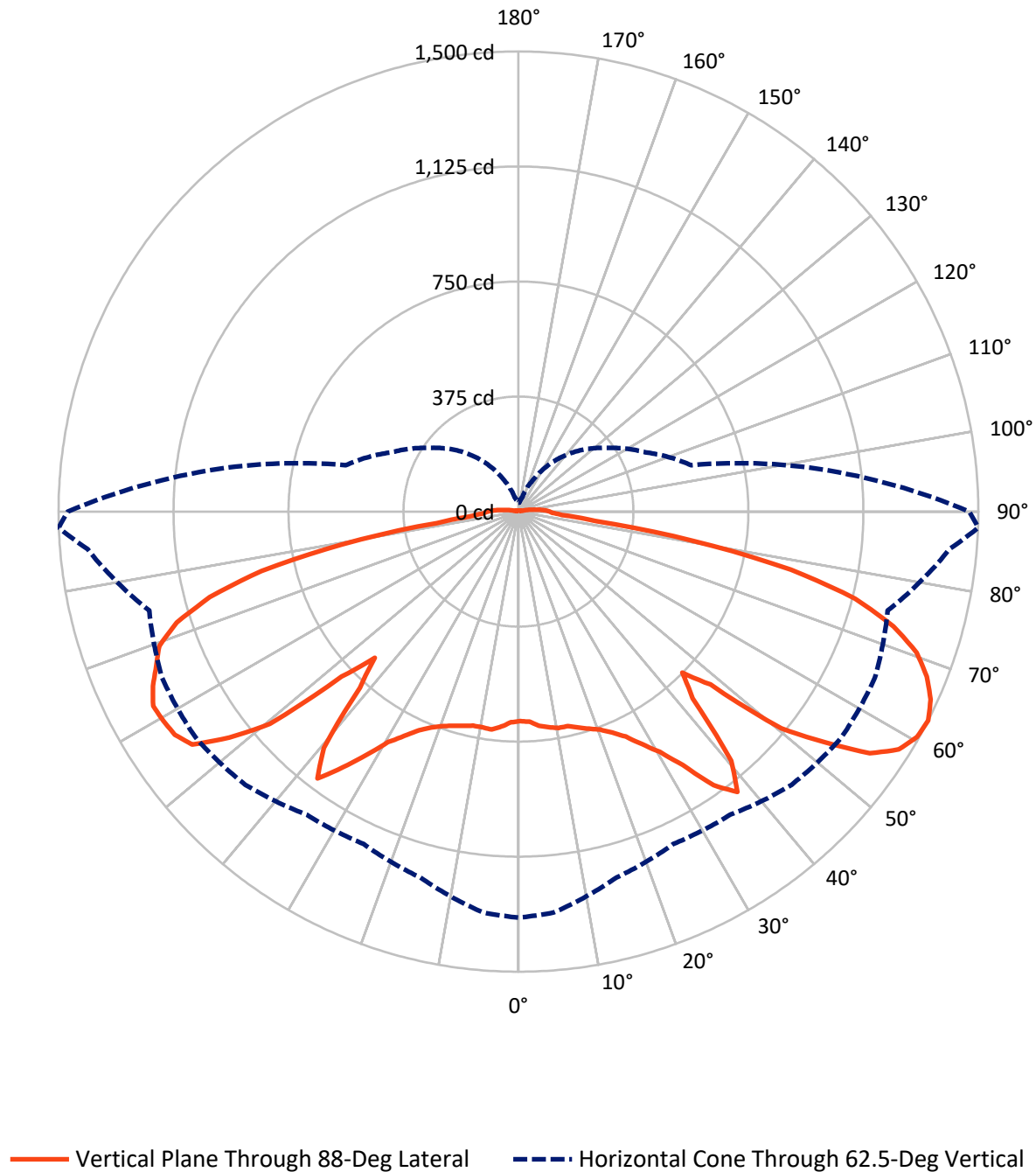
Based on 25 foot mounting height. Maximum calculated value = 1.2 fc

Type IV - Short - N/A

REPORT NUMBER: P691323

CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691323

CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

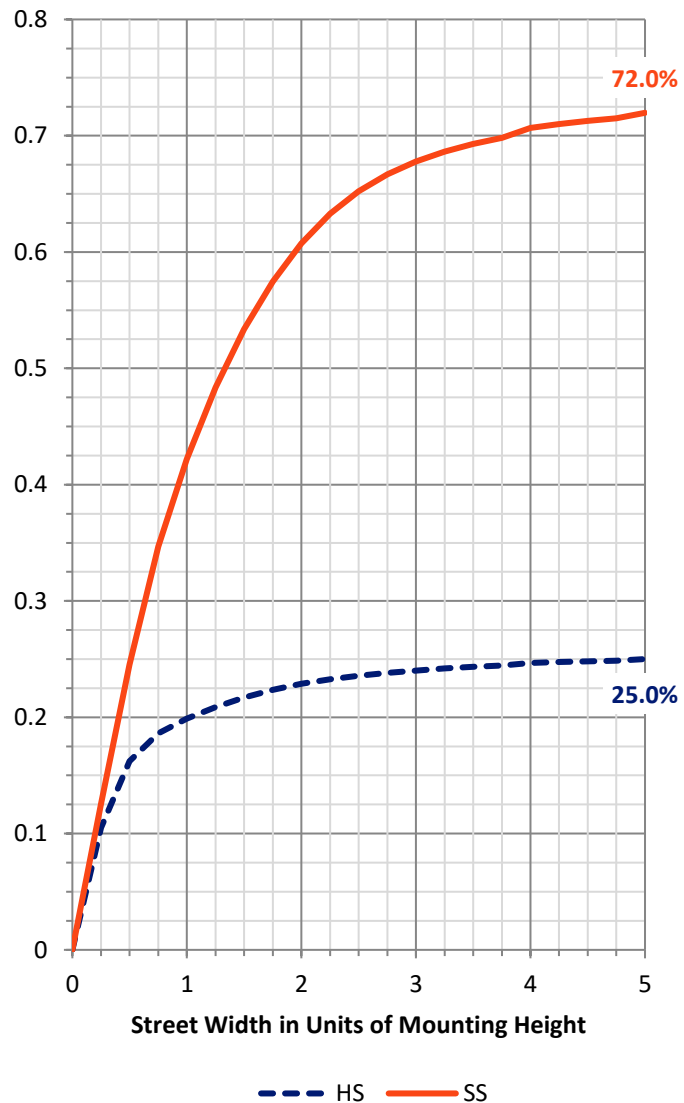
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.1	17.8	962.9
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	2708.1	43.9	2752.1
	% Fixture	72.9	1.2	74.1
Total	Lumens	3653.3	61.7	3715.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	1.8
10°-20°	205.6	5.5
20°-30°	348.2	9.4
30°-40°	480.6	12.9
40°-50°	415.7	11.2
50°-60°	601.8	16.2
60°-70°	787.8	21.2
70°-80°	597.3	16.1
80°-90°	149.0	4.0
90°-100°	43.8	1.2
100°-110°	10.2	0.3
110°-120°	4.5	0.1
120°-130°	2.9	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3653.3	98.3
0°-180°	3715.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691323

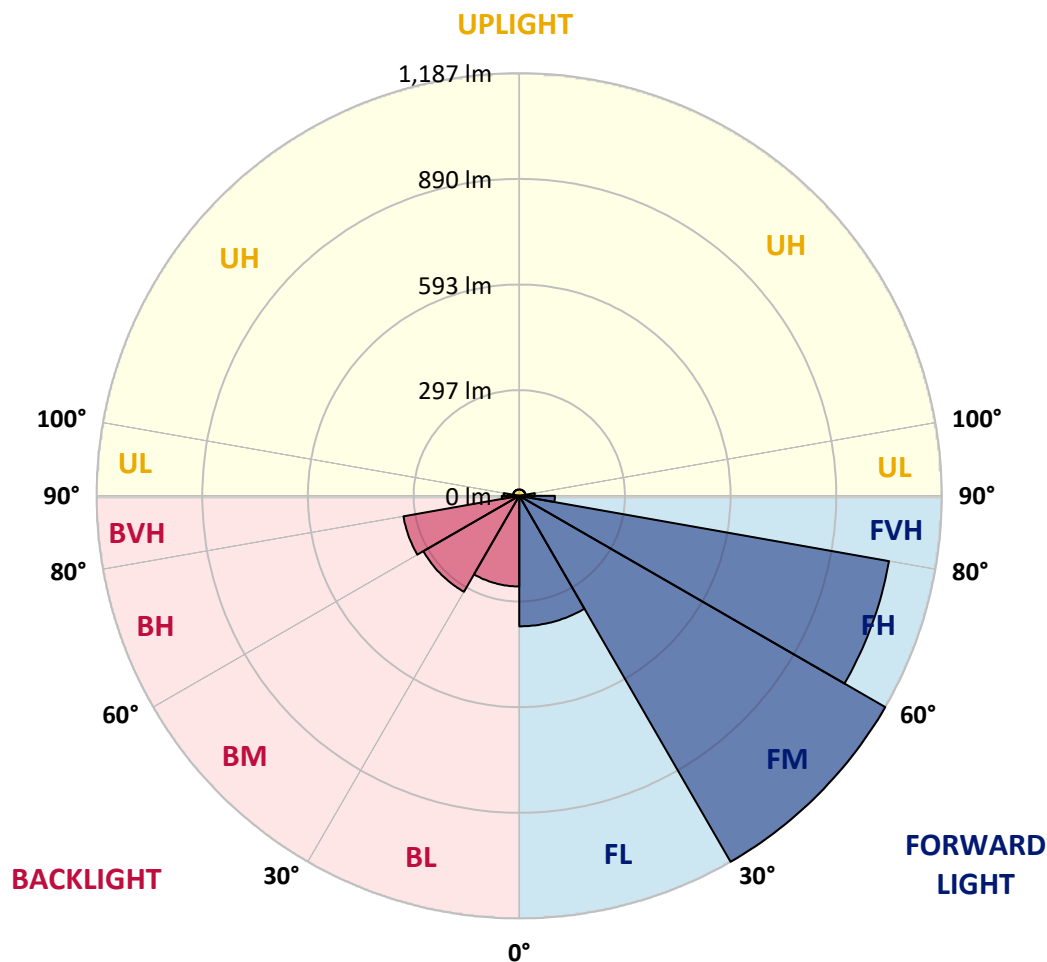
CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	366.5	9.9			
FM	(30°-60°)	1186.9	31.9			
FH	(60°-80°)	1054.6	28.4			G1/1800
FVH	(80°-90°)	100.1	2.7			G2/225
BL	(0°-30°)	254.6	6.9	B1/500		
BM	(30°-60°)	311.2	8.4	B1/1000		
BH	(60°-80°)	330.4	8.9	B1/500		G1/500
BVH	(80°-90°)	48.9	1.3			G1/100
UL	(90°-100°)	43.8	1.2		U2/50	
UH	(100°-180°)	17.9	0.5		U2/50	

BUG Rating: B1-U2-G2

Type IV Short



REPORT NUMBER: P691323

CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	683.2	683.2	683.2	683.2	683.2	683.2	683.2	683.2	683.2	683.2	683.2
2.5°	676.1	676.1	674.6	676.1	678.9	681.8	678.9	680.3	681.8	684.6	686.0
5°	701.7	700.3	697.4	694.6	691.7	691.7	688.9	687.4	690.3	698.8	701.7
7.5°	723.0	718.8	715.9	717.3	713.1	705.9	700.3	697.4	694.6	705.9	710.2
10°	757.2	754.3	744.4	735.8	730.1	718.8	705.9	704.5	703.1	714.5	717.3
12.5°	791.3	788.5	782.8	774.3	755.8	745.8	725.9	717.3	715.9	723.0	717.3
15°	841.2	835.5	819.8	811.3	792.8	777.1	752.9	740.1	743.0	733.0	730.1
17.5°	869.6	866.8	865.4	852.5	838.3	811.3	788.5	770.0	775.7	752.9	744.4
20°	900.9	899.5	902.4	903.8	885.3	861.1	832.6	804.2	805.6	775.7	758.6
22.5°	940.8	936.5	942.2	949.3	933.7	913.7	876.7	854.0	842.6	802.7	782.8
25°	987.8	986.3	986.3	999.1	996.3	969.3	933.7	908.1	896.7	842.6	812.7
27.5°	1036.1	1037.6	1040.4	1049.0	1053.2	1037.6	1003.4	980.6	959.3	888.1	858.2
30°	1067.5	1067.5	1087.4	1100.2	1105.9	1105.9	1064.6	1047.5	1026.2	946.5	909.5
32.5°	1105.9	1108.7	1127.2	1148.6	1157.1	1168.5	1134.4	1121.5	1103.0	1019.1	984.9
35°	1132.9	1137.2	1165.7	1198.4	1221.2	1226.9	1206.9	1212.6	1204.1	1114.4	1095.9
37.5°	1014.8	1026.2	1068.9	1132.9	1194.1	1253.9	1275.3	1303.7	1308.0	1204.1	1160.0
40°	883.9	888.1	936.5	983.5	1058.9	1107.3	1161.4	1224.0	1189.9	1077.4	1068.9
42.5°	784.2	802.7	869.6	905.2	963.6	974.9	947.9	908.1	846.9	836.9	832.6
45°	767.1	785.7	852.5	910.9	939.4	799.9	724.4	671.8	696.0	755.8	748.6
47.5°	846.9	869.6	939.4	1006.3	947.9	792.8	743.0	741.5	721.6	824.1	842.6
50°	895.2	913.7	994.9	993.4	946.5	871.0	898.1	868.2	832.6	1007.7	1111.6
52.5°	919.4	936.5	965.0	1000.6	1004.8	999.1	1006.3	982.1	928.0	1169.9	1248.2
55°	852.5	895.2	1019.1	1080.3	1105.9	1090.2	1094.5	1077.4	1041.8	1271.0	1390.5
57.5°	1067.5	1090.2	1135.8	1151.4	1167.1	1160.0	1165.7	1160.0	1127.2	1346.4	1463.1
60°	1191.3	1191.3	1211.2	1185.6	1194.1	1218.3	1235.4	1235.4	1201.2	1401.9	1493.0
62.5°	1323.7	1312.3	1235.4	1195.6	1205.5	1259.6	1285.2	1282.4	1246.8	1410.5	1500.1
65°	1298.0	1278.1	1251.1	1164.2	1175.6	1251.1	1286.6	1285.2	1248.2	1379.2	1477.4
67.5°	1107.3	1125.8	1158.5	1151.4	1123.0	1209.8	1265.3	1268.1	1225.4	1326.5	1436.1
70°	959.3	970.7	990.6	1050.4	1063.2	1152.9	1241.1	1253.9	1197.0	1265.3	1377.7
72.5°	835.5	842.6	826.9	888.1	933.7	1051.8	1155.7	1179.9	1121.5	1160.0	1279.5
75°	714.5	698.8	680.3	707.4	743.0	868.2	994.9	1043.3	992.0	1016.2	1134.4
77.5°	555.1	532.3	513.8	520.9	553.7	661.8	784.2	861.1	815.5	814.1	908.1
80°	378.6	358.7	345.9	343.0	367.2	434.1	522.3	613.4	573.6	535.2	576.4
82.5°	236.3	236.3	224.9	207.8	206.4	219.2	236.3	259.0	244.8	239.1	251.9
85°	148.0	149.4	143.8	125.2	121.0	123.8	132.4	138.1	133.8	138.1	142.3
87.5°	103.9	102.5	95.4	92.5	91.1	95.4	102.5	105.3	105.3	109.6	109.6
90°	78.3	78.3	74.0	72.6	72.6	76.9	84.0	89.7	93.9	101.1	101.1
92.5°	65.5	65.5	62.6	61.2	61.2	62.6	68.3	75.4	79.7	86.8	84.0
95°	54.1	54.1	52.7	52.7	52.7	54.1	56.9	61.2	62.6	62.6	62.6
97.5°	42.7	41.3	39.9	39.9	39.9	41.3	42.7	47.0	48.4	44.1	44.1
100°	29.9	28.5	27.0	28.5	28.5	28.5	29.9	31.3	31.3	28.5	27.0
102.5°	18.5	18.5	18.5	18.5	17.1	17.1	17.1	17.1	15.7	14.2	14.2
105°	12.8	12.8	11.4	11.4	11.4	11.4	10.0	10.0	10.0	8.5	8.5
107.5°	10.0	10.0	10.0	10.0	10.0	8.5	8.5	8.5	8.5	7.1	7.1
110°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	7.1	7.1	5.7	5.7



REPORT NUMBER: P691323

CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	8.5	8.5	8.5	8.5	8.5	7.1	7.1	7.1	7.1	5.7	5.7
115°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.7	5.7
117.5°	7.1	7.1	7.1	7.1	7.1	7.1	5.7	5.7	5.7	7.1	5.7
120°	7.1	7.1	7.1	7.1	5.7	5.7	5.7	5.7	5.7	5.7	5.7
122.5°	7.1	7.1	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
125°	5.7	5.7	5.7	5.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3
127.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
130°	4.3	4.3	4.3	4.3	4.3	4.3	2.8	2.8	2.8	2.8	2.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691323

CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	683.2	683.2	683.2	683.2	683.2	683.2	683.2	683.2	683.2	683.2	683.2
2.5°	686.0	688.9	694.6	701.7	707.4	711.6	714.5	717.3	717.3	714.5	717.3
5°	701.7	704.5	714.5	721.6	721.6	717.3	714.5	713.1	715.9	717.3	720.2
7.5°	714.5	717.3	713.1	715.9	718.8	714.5	708.8	704.5	700.3	696.0	698.8
10°	715.9	708.8	708.8	705.9	696.0	697.4	696.0	688.9	683.2	684.6	686.0
12.5°	714.5	711.6	700.3	694.6	690.3	676.1	670.4	674.6	666.1	670.4	664.7
15°	727.3	713.1	701.7	687.4	671.8	664.7	654.7	640.5	634.8	636.2	637.6
17.5°	735.8	721.6	694.6	668.9	660.4	637.6	626.2	619.1	609.2	610.6	616.3
20°	750.1	728.7	690.3	663.2	622.0	606.3	592.1	583.5	575.0	562.2	556.5
22.5°	770.0	743.0	684.6	634.8	599.2	572.2	540.8	519.5	508.1	499.6	498.1
25°	795.6	764.3	686.0	622.0	565.0	525.2	498.1	461.1	434.1	431.3	435.5
27.5°	842.6	788.5	694.6	602.0	536.6	475.4	425.6	399.9	368.6	361.5	361.5
30°	888.1	826.9	688.9	585.0	488.2	419.9	353.0	304.6	287.5	274.7	273.3
32.5°	972.1	881.0	718.8	559.3	444.1	337.3	263.3	210.6	199.3	195.0	193.6
35°	1049.0	955.0	721.6	526.6	378.6	261.9	189.3	153.7	146.6	142.3	140.9
37.5°	1131.5	1026.2	750.1	499.6	314.5	185.0	136.6	109.6	101.1	95.4	92.5
40°	1036.1	940.8	737.3	454.0	233.4	118.1	85.4	59.8	51.2	51.2	51.2
42.5°	811.3	714.5	557.9	367.2	136.6	68.3	42.7	41.3	42.7	44.1	44.1
45°	718.8	592.1	341.6	195.0	56.9	38.4	34.2	32.7	37.0	41.3	42.7
47.5°	845.4	704.5	263.3	136.6	61.2	38.4	31.3	31.3	29.9	27.0	27.0
50°	1142.9	950.8	301.7	156.6	76.9	42.7	31.3	27.0	27.0	28.5	29.9
52.5°	1289.5	1058.9	355.8	203.5	112.4	58.4	34.2	27.0	24.2	19.9	19.9
55°	1416.2	1144.3	421.3	263.3	165.1	91.1	48.4	28.5	24.2	19.9	18.5
57.5°	1457.4	1154.3	491.0	331.6	224.9	142.3	84.0	39.9	25.6	21.3	19.9
60°	1463.1	1165.7	543.7	404.2	293.2	207.8	138.1	72.6	32.7	25.6	24.2
62.5°	1470.2	1168.5	583.5	456.9	361.5	281.8	199.3	115.3	49.8	29.9	28.5
65°	1444.6	1134.4	573.6	445.5	381.4	311.7	229.1	135.2	56.9	34.2	32.7
67.5°	1401.9	1104.5	532.3	409.9	344.4	271.8	196.4	109.6	52.7	39.9	38.4
70°	1367.8	1074.6	511.0	407.1	318.8	237.7	158.0	79.7	62.6	54.1	51.2
72.5°	1283.8	1003.4	493.9	405.6	318.8	232.0	153.7	85.4	85.4	86.8	81.1
75°	1142.9	896.7	468.3	394.2	311.7	230.6	148.0	92.5	92.5	82.6	78.3
77.5°	943.6	734.4	414.2	360.1	283.2	203.5	121.0	76.9	74.0	64.0	61.2
80°	624.8	526.6	330.2	297.5	233.4	163.7	89.7	59.8	55.5	47.0	44.1
82.5°	280.4	251.9	209.2	210.6	167.9	116.7	61.2	41.3	38.4	31.3	29.9
85°	153.7	145.2	113.9	99.6	85.4	61.2	35.6	27.0	22.8	17.1	17.1
87.5°	116.7	112.4	84.0	65.5	49.8	35.6	22.8	17.1	12.8	8.5	7.1
90°	106.7	101.1	68.3	52.7	39.9	28.5	18.5	11.4	8.5	5.7	4.3
92.5°	89.7	85.4	55.5	44.1	34.2	25.6	15.7	8.5	5.7	2.8	2.8
95°	65.5	64.0	41.3	34.2	27.0	21.3	12.8	7.1	4.3	2.8	1.4
97.5°	44.1	42.7	29.9	25.6	21.3	15.7	10.0	5.7	2.8	1.4	1.4
100°	27.0	27.0	18.5	17.1	14.2	11.4	7.1	4.3	2.8	1.4	1.4
102.5°	14.2	12.8	10.0	10.0	8.5	7.1	5.7	2.8	1.4	0.0	0.0
105°	8.5	7.1	7.1	5.7	5.7	4.3	4.3	2.8	1.4	0.0	0.0
107.5°	7.1	5.7	5.7	4.3	4.3	2.8	2.8	1.4	1.4	0.0	0.0
110°	5.7	5.7	4.3	4.3	2.8	2.8	2.8	1.4	0.0	0.0	0.0



REPORT NUMBER: P691323

CATALOG NUMBER: CRTK2-C015-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.7	4.3	4.3	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0
115°	5.7	4.3	2.8	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
117.5°	5.7	4.3	2.8	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
120°	5.7	4.3	2.8	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0
122.5°	5.7	4.3	2.8	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0
125°	4.3	2.8	2.8	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
127.5°	4.3	2.8	2.8	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
130°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)